

1	1. A method of modifying a memory in a battery unit of a mobile information			
2	handling device comprising:			
3	assigning a predetermined data word to an available address in memory;			
4	receiving data in a non-reprogrammable section of the memory;			
5	modifying a programmable section of the memory if the received data complies with			
6	the predetermined data word; and			
7	performing a checksum of registers in the memory.			
1	2. The method of modifying a memory in a battery unit of a mobile information			
2	handling device of claim 1 further comprising:			
3	multiplexing the received data with a control signal before the non-programmable			
4	section of the memory receives the data.			
1	3. The method of modifying a memory in a battery unit of a mobile information			
2	handling device of claim 1 further comprising:			
3	performing additional security measures prior to modifying the programmable section			
4	of the memory.			
1	4. The method of modifying a memory in a battery unit of a mobile information			
2	handling device of claim 2 further comprising:			
3	performing additional security measures prior to modifying the programmable section			
4	of the memory.			
1	5. The method of modifying a memory in a battery unit of a mobile information			
2	handling device of claim 1 further comprising:			
3	controlling sent data from a firmware control hub in the mobile information handling			
4	device.			

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6.	The method of modifying a memory in a battery unit of a mobile information		
handling device of claim 2 further comprising:			

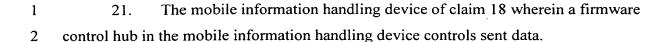
controlling sent data from a firmware control hub in the mobile information handling device.

- The method of modifying a memory in a battery unit of a mobile information 7. handling device of claim 3 further comprising:
- controlling sent data from a firmware control hub in the mobile information handling device.
- 8. The method of modifying a memory in a battery unit of a mobile information handling device of claim 1 wherein data is transmitted along a system management bus.
- 9. The method of modifying a memory in a battery unit of a mobile information handling device of claim 2 wherein data is transmitted along a system management bus.
- 10. The method of modifying a memory in a battery unit of a mobile information handling device of claim 3 wherein data is transmitted along a system management bus.
- The method of modifying a memory in a battery unit of a mobile information 11. handling device of claim 4 wherein data is transmitted along a system management bus.
- The method of modifying a memory in a battery unit of a mobile information 12. handling device of claim 5 wherein data is transmitted along a system management bus.
- The method of modifying a memory in a battery unit of a mobile information 13. 1 handling device of claim 6 wherein data is transmitted along a system management bus. 2
 - The method of modifying a memory in a battery unit of a mobile information 14. handling device of claim 7 wherein data is transmitted along a system management bus.



1	13. A mobile information handling device wherein a memory in a battery unit				
2	powering the mobile information handling device is reprogrammed comprising:				
3	a processor;				
4	a computer readable medium coupled to the processor; and				
5	computer code, encoded in the computer readable medium configured to cause the				
6	processor to:				
7	assign a predetermined data word to an available address in memory;				
8	receive data in a non-reprogrammable section of the memory;				
9	modify a programmable section of the memory if the received data complies				
10	with the predetermined data word; and				
11	perform a checksum of registers in the memory.				
1	16. The mobile information handling device of claim 15 wherein the processor				
2	2 further:				
3	multiplexes the received data with a control signal before the non-programmable				
4	section of the memory receives the data.				
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1	17. The mobile information handling device of claim 15 wherein the processor				
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3	performs additional security measures prior to modifying the programmable section o				
4	the memory.				
1	18. The mobile information handling device of claim 16 wherein the processor				
2	further:				
3	performs additional security measures prior to modifying the programmable section o				
4	the memory.				
1	19. The mobile information handling device of claim 16 wherein a firmware				
2	control hub in the mobile information handling device controls sent data.				
1	20. The mobile information handling device of claim 17 wherein a firmware				
2	control hub in the mobile information handling device controls sent data.				

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- 1 22. The mobile information handling device of claim 15 wherein data is 2 transmitted along a system management bus.
- 1 23. The mobile information handling device of claim 16 wherein data is 2 transmitted along a system management bus.
- 1 24. The mobile information handling device of claim 17 wherein data is 2 transmitted along a system management bus.
- 1 25. The mobile information handling device of claim 18 wherein data is 2 transmitted along a system management bus.
- 1 26. The mobile information handling device of claim 19 wherein data is 2 transmitted along a system management bus.
- 1 27. The mobile information handling device of claim 20 wherein data is 2 transmitted along a system management bus.
 - 28. The mobile information handling device of claim 21 wherein data is transmitted along a system management bus.
- 1 29. An apparatus to modify a memory in a battery unit of a mobile information 2 handling device comprised of:
- means for assigning a predetermined data word to an available address in memory;
- 4 means for receiving data in a non-reprogrammable section of the memory;
- 5 means for modifying a programmable section of the memory if the received data
- 6 complies with the predetermined data word; and
- 7 means for performing a checksum of registers in the memory.



1	30.	The apparatus to modify a memory in a battery unit of a mobile information		
2	handling device of claim 29 further comprised of:			
3	means for multiplexing the received data with a control signal before the non-			
4		programmable section of the memory receives the data.		
1	31.	The apparatus to modify a memory in a battery unit of a mobile information		
2	handling device of claim 29 further comprised of:			
3	means for performing additional security measures prior to modifying the			
4		programmable section of the memory.		
1	32.	The apparatus to modify a memory in a battery unit of a mobile information		
2	handling device of claim 30 further comprised of:			
3	mear	ns for performing additional security measures prior to modifying the		
4		programmable section of the memory.		
1	33.	The apparatus to modify a memory in a battery unit of a mobile information		
2	handling device of claim 29 further comprised of:			
3	means for controlling sent data from a firmware control hub in the mobile informatio			
4		handling device.		
1	34.	The apparatus to modify a memory in a battery unit of a mobile information		
2	handling device of claim 30 further comprised of:			
3	means for controlling sent data from a firmware control hub in the mobile informat			
4		handling device.		
1	35.	The apparatus to modify a memory in a battery unit of a mobile information		
2	handling device of claim 31 further comprised of:			
3	means for controlling sent data from a firmware control hub in the mobile information			
4		handling device.		
1	36.	The apparatus to modify a memory in a battery unit of a mobile information		
2	handling device of claim 29 wherein data is transmitted along a system management bus.			

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37.	The apparatus to modify a memory in a battery unit of a mobile information
handling dev	ice of claim 30 wherein data is transmitted along a system management bus.

- 38. The apparatus to modify a memory in a battery unit of a mobile information handling device of claim 31 wherein data is transmitted along a system management bus.
- 39. The apparatus to modify a memory in a battery unit of a mobile information handling device of claim 32 wherein data is transmitted along a system management bus.
 - 40. The apparatus to modify a memory in a battery unit of a mobile information handling device of claim 33 wherein data is transmitted along a system management bus.
 - 41. The method of modifying a memory in a battery unit of a mobile information handling device of claim 34 wherein data is transmitted along a system management bus.
 - 42. The method of modifying a memory in a battery unit of a mobile information handling device of claim 35 wherein data is transmitted along a system management bus.
- 1 43. A computer program product that modifies a memory in a battery unit of a mobile information handling device comprising:
 - a first set of instructions to assign a predetermined data word to an available address in memory;
 - a second set of instructions to receive data in a non-reprogrammable section of the memory;
 - a third set of instructions to modify a programmable section of the memory if the received data complies with the predetermined data word; and a fourth set of instructions to perform a checksum of registers in the memory.
 - 44. The computer program product of claim 43 further comprising:
- a fifth set of instructions to multiplex the received data with a control signal before the non-programmable section of the memory receives the data.

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l	45.	The computer program product of claim 43 further comprising:
2		a sixth set of instructions to perform additional security measures prior to
3	modifying the programmable section of the memory.	

- 46. The computer program product of claim 44 further comprising:
 a sixth set of instructions to perform additional security measures prior to
 modifying the programmable section of the memory.
- 47. The computer program product of claim 43 further comprising:
 a seventh set of instructions to control sent data from a firmware control hub
 in the mobile information handling device.
 - 48. The computer program product of claim 44 further comprising:
 a seventh set of instructions to control sent data from a firmware control hub
 in the mobile information handling device.
 - 49. The computer program product of claim 45 further comprising:
 a seventh set of instructions to control sent data from a firmware control hub
 in the mobile information handling device.
- 1 50. The computer program product of claim 42 wherein data is transmitted along a system management bus.
 - 51. The computer program product of claim 43 wherein data is transmitted along a system management bus.
- 1 52. The computer program product of claim 44 wherein data is transmitted along a system management bus.
- 1 53. The computer program product of claim 45 wherein data is transmitted along a system management bus.
- 1 54. The computer program product of claim 46 wherein data is transmitted along a system management bus.

- The computer program product of claim 47 wherein data is transmitted along a system management bus.
- 1 56. The computer program product of claim 48 wherein data is transmitted along a system management bus.